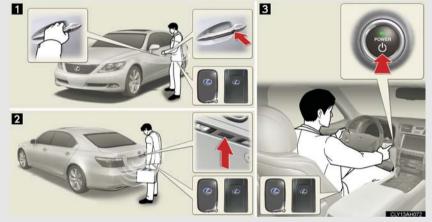
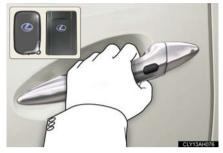
Smart access system with push-button start

The following operations can be performed simply by carrying the electronic key (including the card key) on your person, for example in your pocket.
(The driver should always carry the electronic key.)

1 Locks and unlocks the doors (→P. 46)
2 Opens the trunk (→P. 46)
3 Starts and stops the hybrid system (→P. 171)

Unlocking and locking the doors

Grip the handle to unlock the door.

Make sure to touch the sensor on the back of the handle.

The door cannot be unlocked for 3 seconds after the door is locked.

Press the lock button to lock the door.

Pressing and holding the button closes the windows.

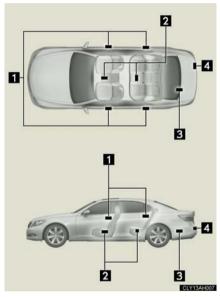
The moon roof will also close.

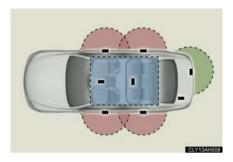
Opening the trunk

Press the button.

The trunk lid automatically opens fully.

Antenna location and effective range

n Antenna location

1 Antennas outside cabin
2 Antennas inside cabin
3 Antenna inside trunk
4 Antenna outside trunk

n Effective range (areas within which the electronic key is detected)

When locking or unlocking the doors

The system can be operated when the electronic key is within about 2.3 ft. (70 cm) of an outside door handle. (Only the doors detecting the key can be operated.)

When opening the trunk

The system can be operated when the electronic key is within about 2.3 ft. (70 cm) of the trunk release button.

When starting the hybrid system or changing “POWER” switch modes

The system can be operated when the electronic key is inside the vehicle.

■ **Operation signals**

Doors: A buzzer sounds and the emergency flashers flash to indicate that the doors have been locked/unlocked. (Locked: Once; Unlocked: Twice)

Trunk: A buzzer sounds to indicate that the trunk has been unlocked.

Windows and moon roof: A buzzer sounds to indicate that the windows and moon roof are operating.

■ **Door lock buzzer**

If an attempt to lock the doors is made when a door is not fully closed, a buzzer sounds continuously. Fully close the door to stop the buzzer, and lock the vehicle once more.

■ **Adjusting the volume of the buzzer**

The operation signal buzzer and door lock buzzer can be set to the desired volume.

1 Increases the volume

2 Decreases the volume

The buzzer can be turned off by turning the knob fully clockwise.

Conditions affecting operation

The smart access system with push-button start uses weak radio waves. In the following situations, the communication between the electronic key and the vehicle may be affected, preventing the smart access system with push-button start, wireless remote control and immobilizer system from operating properly:
(Ways of coping: →P. 634)

- When the electronic key battery is depleted
- Near a TV tower, electric power plant, gas station, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
- When carrying a portable radio, cellular phone, cordless phone or other wireless communication devices
- When the electronic key is in contact with, or is covered by the following metallic objects
  - Cards to which aluminum foil is attached
  - Cigarette boxes that have aluminum foil inside
  - Metallic wallets or bags
  - Coins
  - Hand warmers made of metal
  - Media such as CDs and DVDs
- When multiple electronic keys are in the vicinity
- When other wireless keys (that emit radio waves) are being used nearby
- When carrying the electronic key together with the following devices that emit radio waves
  - Another vehicle's electronic key or a wireless key that emits radio waves
  - Personal computers or personal digital assistants (PDAs)
  - Digital audio players
  - Portable game systems
- If window tint with a metallic content or metallic objects are attached to the rear window

Switching the door unlock function

It is possible to set which doors the entry function unlocks using the wireless remote control.

STEP 1 Turn the "POWER" switch OFF.

STEP 2 When the indicator light on the key surface is not on, press and hold , , or for about 5 seconds while pressing and holding on the key.

The setting changes each time an operation is performed, as shown below. (When changing the setting continuously, release the buttons, wait for at least 5 seconds, and repeat step 2.)

Multi-information display	Unlocking doors	Beep
	Hold the driver's door handle to unlock only the driver's door.	Exterior: Beeps 3 times Interior: Rings once
	Hold a passenger's door handle to unlock all the doors.	
	Hold the door handle to unlock the front and rear doors on your side.	Exterior: Beeps 4 times Interior: Rings once
	Hold the door handle to unlock the door.	Exterior: Beeps once Interior: Rings once
	Hold a door handle to unlock all doors.	Exterior: Beeps twice Interior: Rings once

STEP 3 Unlock the doors using the wireless remote control and open one of the doors.

If a door is not opened within 60 seconds after [unlock] is pressed, the doors will be locked again and the alarm will automatically be set.
In case that the alarm is triggered, immediately stop the alarm. (→P. 119)

Battery-saving function

In the following circumstances, the entry function is disabled in order to prevent the 12-volt battery from discharging and the electronic key battery from depleting.

- When the entry function has not been used for a month or more
- When the electronic key has been left within approximately 6 ft. (2 m) of the vehicle for 10 minutes or more

The system will resume operation when

- The vehicle is locked using the door handle lock switch when carrying the electronic key on your person.
- The vehicle is locked/unlocked using the wireless remote control function. (→P. 59)
- The vehicle is locked/unlocked using the mechanical key. (→P. 634)

Electronic key battery depletion

- The standard battery life is 1 to 2 years. (The card key battery life is about a year and a half.)
- The battery becomes depleted even if the electronic key is not used because the key always transmits radio waves. If the smart access system with push-button start or the wireless remote control does not operate, or the detection area becomes smaller, the battery may be depleted. Replace the battery when necessary. (→ P. 559)
- To avoid serious deterioration, do not leave the electronic key within 3 ft. (1 m) of the following electrical appliances that produce a magnetic field:
  - TVs
  - Personal computers
  - Cellular phones, cordless phones and battery chargers
  - Recharging cellular phones or cordless phones
  - Glass top ranges
  - Table lamps

n **To operate the system properly**

Make sure to carry the electronic key when operating the system. Do not get the electronic key too close to the vehicle when operating the system from the outside of the vehicle.

Depending on the position and holding condition of the electronic key, the key may not be detected correctly and the system may not operate properly. (The alarm may go off accidentally, or the door lock prevention may not function.)

n **Note for the entry function**

l Even when the electronic key is within the effective range (detection areas), the system may not operate properly in the following cases:
  - The electronic key is too close to the window or outside door handle, near the ground, or in a high place when the doors are locked or unlocked.
  - The electronic key is near the ground or in a high place, or too close to the rear bumper center when the trunk is unlocked.
  - The electronic key is on the instrument panel, rear package tray or floor, or in the glove box when the hybrid system is started or "POWER" switch modes are changed.

l As long as the electronic key is within the effective range, the doors may be locked or unlocked by anyone.

l Even if the electronic key is not inside the vehicle, it may be possible to start the hybrid system if the electronic key is near the window.

l The doors may unlock if a large amount of water splashes on the door handle, such as in the rain or in a car wash when the electronic key is within the effective range. (The door will automatically be locked after approximately 60 seconds if the doors are not opened and closed.)

l Gripping the door handle when wearing a glove may not unlock the door.

l If the wireless remote control is used to lock the doors when the electronic key is near the vehicle, there is a possibility that the door may not be unlocked by the entry function. (Use the wireless remote control to unlock the doors.)

l A sudden approach to the effective range or door handle may prevent the doors from being unlocked. In this case, return the door handle to the original position and check that the doors unlock before pulling the door handle again.

n **When the vehicle is not driven for extended periods**

To prevent theft of the vehicle, do not leave the electronic key within 6 ft. (2 m) of the vehicle.

Security feature

If a door is not opened within approximately 60 seconds after the vehicle is unlocked, the anti-theft system automatically locks the vehicle again.

Alarms and warning indicators

A combination of exterior and interior alarms as well as warnings displayed on the multi-information display is used to prevent theft of the vehicle and unforeseeable accidents resulting from erroneous operation. Perform the appropriate correction procedure described in the following table:

Alarm	Situation	Correction procedure
Exterior alarm sounds once for 2 seconds.	An attempt was made to lock the doors using the entry function while the electronic key was still inside the passenger compartment.	Retrieve the electronic key from the passenger compartment and lock the doors again.
	The trunk was closed with the electronic key inside and all doors were locked.	Retrieve the electronic key from the trunk and close the trunk lid.
Exterior alarm sounds once for 60 seconds.	An attempt was made to exit the vehicle and lock the doors while carrying the electronic key without first turning the "POWER" switch OFF.	Turn the "POWER" switch OFF and lock the doors again.
Exterior alarm sounds once for 10 seconds.	An attempt was made to lock the vehicle while a door was open.	Close all of the doors and lock the doors again.

Alarm	Situation	Correction procedure
Interior alarm pings continuously.	The "POWER" switch was turned to ACCESSORY mode while the driver's door was open (or the driver's door was opened while the "POWER" switch was in ACCESSORY mode).	Turn the "POWER" switch OFF and close the driver's door.
	The "POWER" switch was turned OFF while the driver's door was open.	Close the driver's door.
Interior alarm sounds continuously. *1	When the "POWER" switch is in ON or ACCESSORY mode, an attempt was made to open the door and exit the vehicle, and the shift lever was not in "P".	Shift the shift lever to "P" and turn the "POWER" switch OFF.
Interior and exterior alarms sound continuously. *1	When the "POWER" switch is in ON or ACCESSORY mode, the driver's door was closed after the key was carried outside the vehicle, and the shift lever was not in "P".	Shift the shift lever to "P", turn the "POWER" switch OFF and close the driver's door again.
Interior alarm pings once. *1	The electronic key has a low battery.	Replace the electronic key battery.
	An attempt was made to start the hybrid system without the electronic key being present, or the electronic key was not functioning normally.	Start the hybrid system with the electronic key present. *2

Alarm	Situation	Correction procedure
Interior alarm pings once and exterior alarm sounds 3 times. *1	The driver's door was closed after the key was carried outside the vehicle, and the "POWER" switch was not turned OFF.	Turn the "POWER" switch OFF and close the driver's door again.
	An occupant carried the electronic key outside the vehicle and closed the door while the "POWER" switch was not OFF.	Bring the electronic key back into the vehicle.

*1: A warning message will be shown on the multi-information display in the instrument cluster.

*2: If the hybrid system does not start when the electronic key is inside the vehicle, the electronic key battery may be depleted or there may be difficulties receiving the signal from the key. (→P. 52)

If the smart access system with push-button start does not operate properly

- Locking and unlocking the doors and trunk: Use the mechanical key. (→P. 634)
- Starting the hybrid system: →P. 635

When the electronic key battery is fully depleted

→P. 559

Customization that can be configured at Lexus dealer

Settings (e.g. smart access system with push-button start) can be deactivated. (Customizable features →P. 676)

Certification for the smart access system with push-button start

▶ U.S.A.

FCC ID: NI4TMLF-4

NOTE:
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTICE:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC WARNING:
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

▶ Canada

NOTE:
Operation is subject to the following two conditions; (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

CAUTION

Caution regarding interference with electronic devices

- People with implanted pacemakers or cardiac defibrillators should keep away from the smart access system antennas. (→P. 48) The radio waves may affect the operation of such devices. If necessary, the entry function can be disabled. Ask your Lexus dealer for details, such as the frequency of radio waves and timing of emitting the radio waves. Then, consult your doctor to see if you should disable the entry function.
- User of any electrical medical device other than implanted pacemakers and implanted cardiac defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

Ask your Lexus dealer for details for disabling the entry function.

Wireless remote control

The wireless remote control can be used to lock and unlock the vehicle and the trunk from outside the vehicle.

1 Locks all doors

2 Unlocks all doors

Pressing the button unlocks the driver's door. Pressing the button again within 3 seconds unlocks the other doors.

3 Opens the windows (press and hold)

The moon roof will also open.

4 Opens the trunk (press and hold)

5 Sounds alarm (press and hold) (→P. 119)

Operation signals

Doors: A buzzer sounds and the emergency flashers flash to indicate that the doors have been locked/unlocked. (Locked: Once; Unlocked: Twice)

Trunk: A buzzer sounds to indicate that the trunk has been unlocked.

Windows and moon roof: A buzzer sounds to indicate that the windows and moon roof are opening.

Door lock buzzer

If an attempt to lock the doors is made when a door is not fully closed, a buzzer sounds continuously. Fully close the door to stop the buzzer, and lock the vehicle once more.

Adjusting the volume of the buzzer

The operation signal buzzer and door lock buzzer can be set to the desired volume. (→P. 49)

Alarm

Using the wireless remote control to lock the door will set the alarm system. (→P. 119)

Electronic key battery depletion

→P. 52

Security feature

→P. 54

If the wireless remote control does not operate properly

- Locking and unlocking the doors and trunk: Use the mechanical key. (→P. 634)
- Starting the hybrid system: →P. 635

When the electronic key battery is fully depleted

→P. 559

Conditions affecting operation

→P. 50

■ **Customization that can be configured at Lexus dealer**

Settings (e.g. trunk unlocking function) can be changed.
(Customizable features →P. 676)

■ **Certification for wireless remote control**

▶ U.S.A.

FCC ID: HYQ14AAB
FCC ID: HYQ14ABB
FCC ID: HYQ13BZL
FCC ID: HYQ14ABK
FCC ID: HYQ14ABS
FCC ID: HYQ13BZT

NOTE:
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING:
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

▶ Canada

NOTE:
Operation is subject to the following two conditions; (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Doors

The vehicle can be locked and unlocked using the entry function, wireless remote control or door lock switch.

Entry function

→P. 46

Wireless remote control

→P. 59

Door lock switch

1. Locks all doors
2. Unlocks all doors

Inside lock button

1. Locks the door
2. Unlocks the door

   The front doors can be opened by pulling the inside handle even if the lock buttons are in the lock position.

Locking the front doors from the outside without a key

The door cannot be locked if the “POWER” switch is in ACCESSORY or ON mode, or the electronic key is left inside the vehicle.

The key may not be detected correctly and the door may be locked.

Rear door child-protector lock

The door cannot be opened from inside the vehicle when the locks are set.

These locks can be set to prevent children from opening the rear doors. Push down on each rear door switch to lock both rear doors.

Automatic door locking and unlocking systems

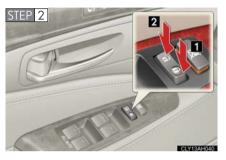
The following functions can be set or canceled:

Function	Operation
Shift position linked door locking function	Shifting the shift lever out of “P” with the hybrid system on locks all doors.
Shift position linked door unlocking function	Shifting the shift lever to “P” unlocks all doors.
Speed linked door locking function	All doors are locked when the vehicle speed is approximately 12 mph (20 km/h) or higher.
Driver's door linked door unlocking function	All doors are unlocked when the driver's door is opened within 10 seconds after turning the “POWER” switch OFF.

Setting and canceling the functions

To switch between setting and canceling, follow the procedure below.

STEP 1 Close all the doors and turn the “POWER” switch to ON mode. (Perform step 2 within 20 seconds.)

STEP 2

Shift the shift lever to “P” or “N”, and press and hold the driver's door lock switch (1 or 2) for approximately 5 seconds and then release.

The shift lever and switch positions corresponding to the desired function to be set or canceled are shown as follows:

Function	Shift lever position	Switch position
Shift position linked door locking function	P	1
Shift position linked door unlocking function		2
Speed linked door locking function	N	1
Driver's door linked door unlocking function		2

When the setting or canceling operation is complete, all doors are locked and then unlocked.

Impact detection door lock release system

In the event that the vehicle is subject to a strong impact, all the doors are unlocked. Depending on the force of the impact or the type of accident, however, the system may not operate.

Door closer

In the event that a door is left slightly open, the door closer will automatically close it to the fully closed position.

- The door closer will operate regardless of "POWER" switch mode.
- The door closer will not function if the door has been closed while pulling the inside or outside door handle.
- The door can be opened by pulling the inside or outside door handle, even when the door closer is operating (except when the lock button is in the lock position or the child-protector lock is set).
- The motor sound may be heard for several seconds after the door closer closes the door. This does not indicate a malfunction.

Using the mechanical key

The doors can also be locked and unlocked with the mechanical key. (→P. 634)

Customization that can be configured at Lexus dealer

Settings (e.g. unlocking function using a key) can be changed.
(Customizable features →P. 676)

CAUTION

n To prevent an accident

Observe the following precautions while driving the vehicle.
Failure to do so may result in a door opening and an occupant falling out, resulting in death or serious injury.

l Always use a seat belt.

l Always lock all doors.

l Ensure that all doors are properly closed.

l Do not pull the inside handle of the doors while driving.
The doors may be opened and the passengers are thrown out of the vehicle and it may result in serious injury or death.

Be especially careful for the front doors, the doors may be opened even if the inside lock buttons are in locked position.

l Set the rear door child protector locks when children are seated in the rear seat.

n Door closer

In the event that a door is left slightly open, the door closer will automatically close it to the fully closed position. If the child-protector lock is set, the door closer will not stop during operation even if an attempt is made to open the door from inside the vehicle. Be careful not to catch fingers or anything else in the door. Failure to do so may result in serious injury.

NOTICE

n To prevent door closer malfunction

Do not frequently repeat opening and closing of doors, or apply excessive force to a door while the door closer is operating.

Trunk

The trunk can be opened using the trunk opener, entry function or wireless remote control.

Opening the trunk from inside the vehicle

Press the opener switch.

The trunk lid automatically opens fully.

Opening the trunk from outside the vehicle

▶ Entry function

→P. 46

▶ Wireless remote control

→P. 59

Trunk closer switch

Pressing the switch closes the trunk lid automatically. (A buzzer sounds.)

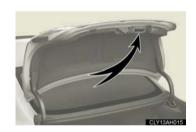
Pressing the switch while the trunk lid is closing opens the trunk lid again.

Canceling the trunk opener feature

Turn the main switch in the glove box off to disable the trunk opener.

1 On

2 Off

The trunk lid cannot be opened even with the wireless remote control or the entry function.

Trunk handle

Use the trunk handle when closing the trunk.

Trunk easy closer

In the event that the trunk lid is left slightly open, the trunk easy closer will automatically close it to the fully closed position.

Function to prevent the trunk being locked with the electronic key inside (when all the doors are locked)

Closing the trunk lid with the electronic key left inside the trunk will sound an alarm. In this case, the trunk lid can be opened by pressing the button on the trunk lid.

Overload protection function

The trunk lid will not operate when excessive load is present on the top of the trunk lid.

Fall-down protection function

While the trunk lid is opening automatically, applying excessive force to it will stop the opening operation to prevent the trunk lid from rapidly falling down.

■ **Jam protection function**

While the trunk lid is closing automatically, the trunk lid will stop closing and open if something gets caught.

■ **Internal trunk release lever**

The trunk lid can be opened by pulling down on the glow-in-the-dark lever located on the inside of trunk lid.

The lever will continue to glow for some time after the trunk lid is closed.

■ **Using the mechanical key**

The trunk can be also opened using the mechanical key. (→P. 634)

■ **Customization that can be configured at Lexus dealer**

Setting of power trunk opener and closer function can be deactivated. (Customizable features →P. 676)

CAUTION

Caution while driving

- Keep the trunk lid closed while driving.
  If the trunk lid is left open, it may hit near-by objects while driving or luggage in the trunk may be unexpectedly thrown out, causing an accident.
  In addition, exhaust gases may enter the vehicle, causing death or a serious health hazard. Make sure to close the trunk lid before driving.
- Before driving the vehicle, make sure that the trunk lid is fully closed. If the trunk lid is not fully closed, it may open unexpectedly while driving, causing an accident.
- Never let anyone sit in the trunk. In the event of sudden braking or a collision, they are susceptible to death or serious injury.

When children are in the vehicle

Observe the following precautions.
Failure to do so may result in death or serious injury.

- Do not allow children to enter the trunk.
  If a child is accidentally locked in the trunk, they could overheat or suffocate.
- Do not allow a child to open or close the trunk lid.
  Doing so may cause the trunk lid to operate unexpectedly, or cause the child's hands, head, or neck to be caught by the closing trunk lid.

CAUTION

■ **Using the trunk**

Observe the following precautions.
Failure to do so may cause parts of the body to be caught, resulting in serious injury.

- Remove any heavy loads, such as snow and ice, from the trunk lid before opening it. Failure to do so may cause the trunk lid to fall closed again after it is opened.
- When opening or closing the trunk lid, thoroughly check to make sure the surrounding area is safe.
- If anyone is in the vicinity, make sure they are safe and let them know that the trunk is about to open or close.
- Use caution when opening or closing the trunk lid in windy weather as it may move abruptly in strong wind.

- The trunk lid may fall if it is not opened fully. It is more difficult to open or close the trunk lid on an incline than on a level surface, so beware of the trunk lid unexpectedly opening or closing by itself. Make sure that the trunk lid is fully open and secure before using the trunk.

- When closing the trunk lid, take extra care to prevent your fingers etc. from being caught.
- When closing the trunk lid, make sure to press it lightly on its outer surface. If the trunk handle is used to fully close the trunk lid, it may result in hands or arms being caught.
- Do not attach any accessories other than genuine Lexus parts to the trunk lid. Such additional weight on the trunk lid may cause the lid to fall closed again after it is opened.

CAUTION

■ **Trunk easy closer**

In the event that the trunk lid is left slightly open, the trunk easy closer will automatically close it to the fully closed position. It takes several seconds before the trunk easy closer begins to operate. Be careful not to catch fingers or anything else in the trunk lid, as this may cause bone fractures or other serious injuries.

■ **Power trunk opener and closer**

Observe the following precautions when operating the power trunk opener and closer.
Failure to do so may cause serious injury.

- Check the safety of the surrounding area to make sure there are no obstacles or anything that could cause any of your belongings to get caught.
- If anyone is in the vicinity, make sure they are safe and let them know that the trunk is about to open or close.
- If the trunk closer switch is pressed while the trunk lid is opening during automatic operation, the trunk lid stops opening. Take extra care when on an incline, as the trunk lid may open or close suddenly.
- On an incline, the trunk lid may fall after it opens automatically. Make sure the trunk lid is fully open and secure before using the trunk.
- In the following situations, the power trunk opener and closer may detect an abnormality and automatic operation may be stopped. In this case, the trunk lid has to be operated manually. Take extra care in this situation, as the stopped trunk lid may suddenly fall, causing an accident.
  - When the trunk lid contacts an obstacle
  - When the battery voltage suddenly drops, such as when the "POWER" switch is turned to ON mode or the engine is started during automatic operation
- Do not attach any accessories other than genuine Lexus parts to the trunk lid. The power trunk opener and closer may not operate, causing itself to malfunction, or the trunk lid may fall closed again after it is opened.

CAUTION

Jam protection function

Observe the following precautions.
Failure to do so may cause serious injury.

- Never use any part of your body to intentionally activate the jam protection function.
- The jam protection function may not work if something gets caught just before the trunk lid fully closes. Be careful not to catch fingers or anything else in the trunk lid.
- The jam protection function may not work depending on the shape of the object that is caught. Be careful not to catch fingers or anything else.

NOTICE

To prevent trunk easy closer malfunction

Do not apply force to the trunk lid while the trunk easy closer is operating.

To prevent damage to the power trunk opener and closer

- Make sure that there is no luggage or snow on the trunk lid before operating the power trunk opener and closer. In addition, make sure that there is no ice between the trunk lid and frame that would prevent movement of the trunk lid. Operating the power trunk opener and closer when excessive load is present on the trunk lid may cause a malfunction.
- Do not apply excessive force to the trunk lid while the power trunk opener and closer is operating.